

Lightest Portable HDMI2.0 Active Optical Cable

delivering of high definition video data with high-speed HDMI standard

World First AOC with POF for individual user

UltraThin • Fast • Clear

- HDMI2.0 compliant
- Data rate: 18Gbps (6Gbps per channel)
- Supports 2160p (4K@60Hz Chroma 4:4:4), 1080p, 3D, deep color X.V. Color™, Dolby True HD, DTS-HD Master Audio, HDMI-CEC and HDCP1.x/2.2
- Resistant to EMI/RFI
- Excellent HDMI transmission compared to conventional copper cable
- Durable P.O.F cable comparing to G.O.F cable as not breakable
- No external power needed (Hybrid cable, fiber for data and copper for power)
- Highly flexible with bendability of minimum 5mm radius

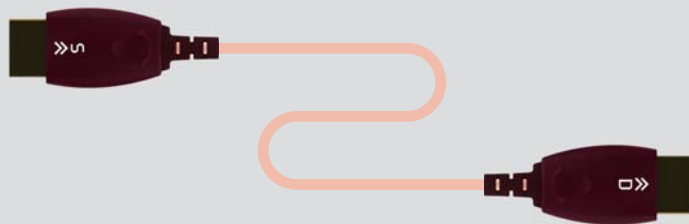
Cable connection

Source



Smartphone / Digital camera
Tablet PC / Laptop (Ultrabook)

P.O.F. HDMI cable



Display



Projector / HDTV / Monitor

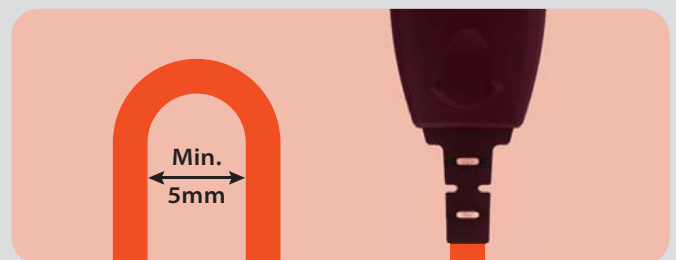
G.O.F. (Glass Optical Fiber)



Glass fiber easily get broken if cable is bent

vs

P.O.F. (Plastic Optical Fiber)



Plastic fiber is much flexible and hardly damaged

Specifications

Electrical characteristics

Parameter	Min.	Typ.	Max.	Unit
Absolute maximum ratings				
Supply Voltage	-0.5		6	V
Storage Temperature	-20		60	°C
Relative Humidity	5		85	%
Electrostatic Discharge Immunity (Air: 8kV, Contact: 4kV)	B			Class
Recommended operating conditions				
Supply Voltage*	4.8	5.0	5.3	V
Operating Temperature	-20		50	°C
Electrical characteristics				
Data Rate/Channel	400		6	Gbps
Differential Input Voltage			1600	mVpp
Differential Output Voltage		600		mVpp
Operating Current*		128		mA
Power Consumption		0.64		W

* The operating current may vary depending on the screen resolution

* All power supplied from HDMI port

Physical characteristics

Parameter	Value	Unit
Cable Assembly		
Cable Type	Hybrid Cable Plastic Optical Fibers and Electrical Wires	
Connector Dimensions (W x H)	3.1 x 2.0	mm
Cable Color	Transparent	
Connector Pull Strength	3	Kgf
Minimum Bend radius	5	mm
Connector Type	HDMI A / Micro D	

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